

## ABSTRACT

The present invention is a variable tumble flow-generating device. The device comprises a bulkhead for dividing an intake port into a first passage and a second passage, an opening degree control valve for selectively changing an opening degree of the first and second passages; and a drive for operating the opening angle control valve. The variable tumble flow-generating device can generate tumble flow by making air flowing through different passages while minimizing a flow resistance of air supplied into the combustion chamber, utilizing a simple structure limiting installation space in relation with other parts. The variable tumble flow-generating device is manufactured by adding only a structure where the bulkhead is previously assembled with the intake port core of the prior art. For this reason, this is a simple structure is manufactured inexpensively.